

QUESTIONS AND ANSWERS

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I. FREQUENTLY ASKED QUESTIONS:

Q1. If I have questions about this funding announcement, who do I contact?

ANSWER: Please see the FOA guidance on submitting FOA content questions and response publication. Applicants may submit questions regarding this ARPA-E's Funding Opportunity Announcement (FOA) to ARPA-E-CO@hq.doe.gov. All emails must include the FOA name and number in the subject line. The cover page and Executive Summary of the Funding Opportunity Announcement state the deadlines for submitting questions to ARPA-E-CO@hq.doe.gov.

Q2. How will I receive a response to questions submitted to ARPA-E-co@hq.doe.gov about this FOA?

ANSWER: Responses are posted in the "Frequently Asked Questions" section of ARPA-E's website. There are general FAQs and a FAQ page for each FOA.

ARPA-E will post responses on a weekly basis to any questions that are received.

ARPA-E will cease to accept questions approximately 5 business days in advance of each submission deadline. Responses to questions received before the cutoff will be posted approximately one business day in advance of the submission deadline. ARPA-E may re-phrase questions or consolidate similar questions for administrative purposes.

Q3. Will ARPA-E post a response to every question submitted to ARPA-E-CO@hq.doe.gov?

ANSWER: No. ARPA-E will only post responses to questions that have not already been addressed by a published FAQ. Also, ARPA-E may consolidate similar questions for administrative purposes.

Q4. If I have questions about ARPA-E exchange, who do I contact?

ANSWER: Applicants may submit questions regarding ARPA-E's online application portal, ARPA-E eXCHANGE, to ExchangeHelp@hq.doe.gov. All emails must include the name and number of the Funding Opportunity Announcement in the subject line.

Q5. Can I speak or meet with the ARPA-E program director or other ARPA-E personnel about this funding opportunity announcement?

ANSWER: No. Upon the issuance of this Funding Opportunity Announcement (FOA), ARPA-E Programs and other ARPA-E personnel are prohibited from communicating (in writing or otherwise) with Applicants, or potential Applicants, regarding the FOA. This "quiet period" remains in effect until ARPA-E's public announcement of its project selections. During the "quiet period," Applicants may submit questions regarding the FOA to ARPA-E-CO@hq.doe.gov with the FOA name and number in the subject line. Applicants may also submit questions regarding ARPA-E's online application portal, ARPA-E eXCHANGE, to ExchangeHelp@hq.doe.gov with the FOA name and number in the subject line. ARPA-E will not accept or respond to communications received by other means (e.g., fax, telephone, mail, hand delivery). Emails sent to other email addresses will be disregarded.

Q6. Can a person be PI on one proposal and a co-PI on a second separate proposal?

ANSWER: Yes, but the applications must be scientifically distinct from one another.

Q7. May applicants submit more than one concept paper to this funding opportunity?

ANSWER: Yes, but each Concept Paper submission must be scientifically distinct.

Q8. I have developed a technology that may be a good fit for this funding opportunity. Will ARPA-E please review the attached project information and let me know if I should make a submission to this funding opportunity.

ANSWER: No. Applicants must review the Technical Requirements of this funding opportunity to determine if their technology warrants a submission to ARPA-E.

II. Questions for week ending: FEBRUARY 22, 2013

Q9. Who will be the ARPA-E program manager for RANGE?

ANSWER: See Section VII entitled "Agency Contacts" of the FOA. Accordingly, the requested name of the ARPA-E Program Manager for RANGE will not be publically disclosed or made available until the completion of award negotiations.

Q10. I have a project that addresses both of ARPA-E's two mission areas, but does not correlate as strongly with the FOA's stated first and second objectives. Could a seedling project that supports ARPA-E's mission statement be funded, even if it is not strongly correlated to the stated objectives of this particular FOA?

ANSWER: ARPA-E will not provide a pre-submission assessment of an applicant's technology or proposed project. Applicants must review the Technical Requirements of this funding opportunity to determine if their technology warrants a submission to ARPA-E.

Q11. The range funding opportunity is directed toward the development of a propulsion system--not just the battery source. It does, however limit the response to electric vehicles--and omits the opportunity for other propulsion methods.

A. If I tried to respond to this funding opportunity with a concept document for a propulsion system would it be considered?

ANSWER: A: Please see the answers for Questions 8 and 10.

B. I would very much like to discuss this propulsion system in more detail with you if you can suggest a way that can be done.

ANSWER: B: Please see the answer for Question 5.

Q12. Our general question is whether ARPA-E has a mechanism or forum or contact list through which our company could make contact with potential bidders to this solicitation with the hope of finding another innovative technology that could further benefit by being married with our technology?

ANSWER: Please see the ARPA-E RFI-0000000 Announcement of Teaming Partner List for Robust Affordable Next Generation Storage (Range) which is posted on the ARPA-E funding opportunity web page (<https://arpa-e-foa.energy.gov/#Foaldf9bc31d4-16ae-489f-9db4-ca977dc67ff5>).

Q13. If we were to submit a Concept Paper, would this Concept Paper be shared with others responding to the solicitation creating the potential for future teaming?

ANSWER: No. ARPA-E does not share concept papers with applicants.

Q14. I read with great interest ARPA-E's new FOA, "RANGE". I am writing this to have your feedback on some of our ideas around F-Ion and MG-Ion batteries to address the topic of this FOA.

ANSWER: Please see the answer for Question 5.

III. Questions for week ending: MARCH 1, 2013

Q15. In regards to funding opportunity no. DE-FOA-0000869, Robust Affordable Next Generation EV Storage, could you please take into consideration the following scope of work: with reliability and durability needs within the DOE, ARPA-E, and for future global vehicle consumers & manufacturers, please consider to expand your current scope of work for research, development, demonstration and deployment of robust affordable next generation EV storage listed in DE-FOA-0000869 to include off-road vehicles and vocational trucks.

ANSWER: Applicants must review the Technical Requirements of this funding opportunity to determine if a particular concept is within the scope of the FOA. Please see Sections I.C, I.D, I.E, and I.F of the FOA.

Q16. My team and I would like to submit an application for ARPA-E. We would like to propose a new type of energy storage device. Would this type of technology meet the funding requirements?

ANSWER: Please questions 8 and 10 above

Q17. On page 29 the FOA states: "... the prime recipient must provide at least 20% of the total project cost as cost share, except as provided in sections III.b.2 or III.b.3 below." Assuming the listed exceptions do not apply, is it acceptable for subtier project team members (i.e. Not the prime recipient) to provide part or all of the cost share, or must the entire 20% come from the prime recipient alone?

ANSWER: As stated in Section III.B.5, each Project Team is free to determine how much each Project Team member will contribute towards the cost share requirement. The amount contributed by individual Project Team members may vary, as long as the cost share requirement for the project as a whole is met. Although the cost share requirement applies to the Project Team as a whole, the funding agreement makes the Prime Recipient legally responsible for paying the entire cost share. The Prime Recipient is solely responsible for managing cost share contributions by the Project Team and enforcing cost share obligations assumed by Project Team members in sub-awards or related agreements.

Q18. Regarding the RANGE FOA, is it possible to still add an entry to the teaming partner list?

ANSWER: Yes. The RANGE Teaming Partner List is updated on a weekly basis. Please see the ARPA-E RFI-0000000 Announcement of Teaming Partner List for Robust Affordable Next Generation Storage (Range) which is posted on the ARPA-E funding opportunity web page (<https://arpa-e-foa.energy.gov/#Foaldf9bc31d4-16ae-489f-9db4-ca977dc67ff5>).

IV. Questions for week ending: MARCH 8, 2013

Q19. Can you please respond to the following questions?

- A. Are fuel cells acceptable architectural elements?**
- B. For example if hydrogen for the fuel cells comes from electrolysis of water, does this qualify as a "electrically rechargeable fuel cell" per page 13 of the FOA?**
- C. Electrical double-layer capacitors (ultra-caps) are not mentioned. They have some, but not all, of the safety properties sought. If used as part of an architecture are they acceptable?**
- D. Is a prototype expected?**

ANSWER: Q19.A: Yes.

Q19.B: The FOA focuses on onboard electrically rechargeable systems.

Q19.C: Yes.

Q19.D: Please refer to Section 1.E. of the FOA.